

Supplementary Table 2. Male and female suicide rates per 100,000 civilian, noninstitutionalized working persons aged 16-64 years for major and detailed occupational groups meeting reporting criteria, National Violent Death Reporting System, suicide decedents (n = 15,779), 32 states†, 2016

Occupation title	2010 Census code [§]	Male			Female		
		Deaths, n	Estimated population (1000s), n	Rate (95% CI)	Deaths, n	Estimated population (1000s), n	Rate (95% CI)
All occupations	NA	12,505	45,637	27.4 (26.9–27.9)	3,274	42,430	7.7 (7.5–8.0)
Management occupations:	0010–0430	951	5,435	17.5 (16.4–18.6)	215	3,740	5.7 (5.0–6.5)
Chief executives and legislators	0010	55	481	11.4 (8.2–15.6)	<20	172	NC
General and operations managers	0020	59	357	16.5 (11.9–22.4)	<20	152	NC
Advertising and promotions managers	0040	<20	13	NC	<20	18	NC
Marketing and sales managers	0050	34	312	10.9 (7.1–16.1)	<20	265	NC
Public relations and fundraising managers	0060	<20	13	NC	—	26	NC
Administrative services managers	0100	<20	55	NC	—	37	NC
Computer and information systems managers	0110	41	294	14.0 (9.4–20.1)	<20	114	NC
Financial managers	0120	51	325	15.7 (11.0–21.8)	20	379	5.3 (3.0–8.6)
Human resources managers	0136	<20	94	NC	<20	157	NC
Industrial production managers	0140	<20	120	NC	—	31	NC
Purchasing managers	0150	<20	64	NC	<20	61	NC
Transportation, storage, and distribution managers	0160	30	116	25.9 (15.7–40.6)	<20	27	NC
Farmers, ranchers, and other agricultural managers	0205	109	252	43.2 (34.9–51.5)*	<20	48	NC
Construction managers	0220	158	345	45.7 (38.4–53.1)*	<20	30	NC
Education administrators	0230	<20	202	NC	<20	341	NC
Architectural and engineering managers	0300	<20	87	NC	—	8	NC
Food service managers	0310	90	295	30.5 (23.0–39.8)	24	272	8.8 (5.2–14.1)
Gaming managers	0330	<20	7	NC	—	3	NC
Lodging managers	0340	<20	37	NC	<20	36	NC
Medical and health services managers	0350	<20	111	NC	<20	292	NC
Property, real estate, and community association managers	0410	40	151	26.5 (17.3–39.2)	<20	143	NC
Social and community service managers	0420	<20	64	NC	<20	160	NC
Miscellaneous managers, including funeral service managers and postmasters and mail superintendents	0430	206	1,609	12.8 (11.0–14.6)	59	938	6.3 (4.6–8.4)
Business and financial operations occupations:	0500–0950	225	1,962	11.5 (10.0–13.0)	115	2,458	4.7 (3.8–5.5)
Wholesale and retail buyers, except farm products	0520	<20	57	NC	<20	64	NC
Purchasing agents, except wholesale, retail, and farm products	0530	<20	78	NC	<20	85	NC
Claims adjusters, appraisers, examiners, and investigators	0540	<20	68	NC	<20	113	NC
Compliance officers	0565	<20	70	NC	<20	78	NC
Cost estimators	0600	<20	68	NC	—	10	NC
Human resources workers	0630	<20	126	NC	<20	359	NC
Compensation, benefits, and job analysis specialists	0640	<20	8	NC	—	24	NC
Training and development specialists	0650	<20	35	NC	—	46	NC
Logisticians	0700	<20	50	NC	<20	28	NC
Management analysts	0710	<20	270	NC	<20	225	NC
Meeting, convention, and event planners	0725	<20	19	NC	<20	68	NC
Market research analysts and marketing specialists	0735	<20	83	NC	<20	113	NC
Business operations specialists, all other	0740	<20	75	NC	<20	94	NC
Accountants and auditors	0800	61	453	13.5 (9.7–18.2)	44	702	6.3 (4.3–8.8)
Appraisers and assessors of real estate	0810	<20	30	NC	<20	16	NC
Credit analysts	0830	—	8	NC	<20	8	NC
Financial analysts	0840	<20	87	NC	—	54	NC

Personal financial advisors	0850	25	166	15.0 (8.9–24.1)	<20	73	NC
Insurance underwriters	0860	<20	28	NC	<20	45	NC
Financial examiners	0900	<20	5	NC	—	5	NC
Credit counselors and loan officers	0910	21	87	24.1 (13.1–41.1)	<20	104	NC
Tax examiners and collectors, and revenue agents	0930	<20	11	NC	<20	17	NC
Tax preparers	0940	<20	22	NC	<20	32	NC
Financial specialists, all other	0950	<20	14	NC	<20	15	NC
Computer and mathematical occupations:	1000–1240	339	2,093	16.2 (14.5–17.9)	48	746	6.4 (4.5–8.9)
Computer and information research scientists	1005	<20	8	NC	—	2	NC
Computer systems analysts	1006	38	200	19.0 (12.5–27.9)	<20	130	NC
Information security analysts	1007	<20	46	NC	<20	13	NC
Computer programmers	1010	50	211	23.7 (16.4–33.3)	<20	64	NC
Software developers, applications and systems software	1020	83	621	13.4 (10.2–17.3)	<20	149	NC
Web developers	1030	<20	74	NC	<20	47	NC
Computer support specialists	1050	28	318	8.8 (5.4–13.5)	<20	107	NC
Database administrators	1060		40	NC	<20	31	NC
Network and computer systems administrators	1105	<20	110	NC	<20	26	NC
Computer network architects	1106	<20	58	NC	—	4	NC
Computer occupations, all other	1107	83	323	25.7 (19.2–34.0)	<20	97	NC
Actuaries	1200	<20	17	NC	—	7	NC
Operations research analysts	1220	<20	42	NC	<20	46	NC
Miscellaneous mathematical science occupations, including mathematicians and statisticians	1240	—	24	NC	<20	21	NC
Architecture and engineering occupations:	1300–1560	326	1,407	23.2 (20.6–25.7)	21	256	8.2 (4.7–13.4)
Architects, except naval	1300	<20	83	NC	<20	29	NC
Surveyors, cartographers, and photogrammetrists	1310	<20	16	NC	<20	4	NC
Aerospace engineers	1320	<20	63	NC	<20	9	NC
Biomedical and agricultural engineers	1340	<20	9	NC	—	2	NC
Chemical engineers	1350	<20	31	NC	—	9	NC
Civil engineers	1360	36	176	20.4 (13.3–30.4)	<20	27	NC
Computer hardware engineers	1400	<20	23	NC	—	4	NC
Electrical and electronics engineers	1410	33	105	31.5 (19.4–48.9)	<20	12	NC
Environmental engineers	1420	<20	12	NC	<20	5	NC
Industrial engineers, including health and safety	1430	29	109	26.7 (16.0–42.4)	<20	28	NC
Marine engineers and naval architects	1440	<20	8	NC	—	1	NC
Materials engineers	1450	<20	20	NC	—	3	NC
Mechanical engineers	1460	41	183	22.4 (14.8–32.7)	<20	14	NC
Petroleum, mining and geological engineers, including mining safety engineers	1520	<20	9	NC	—	2	NC
Miscellaneous engineers, including nuclear engineers	1530	38	274	13.9 (9.2–20.2)	—	37	NC
Drafters	1540	<20	75	NC	—	19	NC
Engineering technicians, except drafters	1550	62	182	34.0 (24.0–47.0)	<20	46	NC
Surveying and mapping technicians	1560	<20	30	NC	—	3	NC
Life, physical, and social science occupations:	1600–1965	89	417	21.4 (16.3–27.6)	20	381	5.3 (3.0–8.6)
Agricultural and food scientists	1600	<20	11	NC	<20	7	NC
Biological scientists	1610	<20	26	NC	<20	22	NC
Conservation scientists and foresters	1640	<20	10	NC	—	4	NC
Medical scientists, and life scientists, all other	1650	<20	41	NC	<20	45	NC
Astronomers and physicists	1700	<20	5	NC	—	1	NC
Atmospheric and space scientists	1710	<20	4	NC	<20	1	NC
Chemists and materials scientists	1720	<20	35	NC	<20	21	NC

Environmental scientists and geoscientists	1740	<20	26	NC	<20	13	NC
Physical scientists, all other	1760	<20	84	NC	<20	68	NC
Economists	1800	<20	10	NC		4	NC
Psychologists	1820	<20	29	NC	<20	84	NC
Urban and regional planners	1840	<20	9	NC	—	6	NC
Miscellaneous social scientists, including survey researchers and sociologists	1860	<20	11	NC	<20	12	NC
Agricultural and food science technicians	1900	<20	11	NC	—	9	NC
Biological technicians	1910	<20	6	NC	—	6	NC
Chemical technicians	1920	<20	28	NC	—	13	NC
Geological and petroleum technicians, and nuclear technicians	1930	<20	6	NC	—	1	NC
Miscellaneous life, physical, and social science technicians, including social science research assistants	1965	<20	65	NC	<20	63	NC
Community and social service occupations:	2000–2060	79	512	15.4 (11.7–20.0)	67	1,074	6.2 (4.7–8.2)
Counselors	2000	32	127	25.2 (15.4–39.1)	24	357	6.7 (4.1–10.6)
Social workers	2010	<20	108	NC	33	452	7.3 (4.7–10.9)
Probation officers and correctional treatment specialists	2015	<20	22	NC	<20	29	NC
Social and human service assistants	2016	<20	30	NC	<20	104	NC
Miscellaneous community and social service specialists, including health educators and community health workers	2025	<20	18	NC	—	40	NC
Clergy	2040	<20	176	NC	<20	44	NC
Directors, religious activities and education	2050	<20	15	NC	<20	25	NC
Religious workers, all other	2060	<20	16	NC	—	24	NC
Legal occupations:	2100–2160	70	429	16.3 (12.1–21.7)	41	519	7.9 (5.4–11.2)
Lawyers, and judges, magistrates, and other judicial workers	2100	58	366	15.8 (11.4–21.6)	<20	254	NC
Paralegals and legal assistants	2145	<20	32	NC	<20	193	NC
Miscellaneous legal support workers	2160	<20	26	NC	<20	66	NC
Education, training, and library occupations:	2200–2550	139	1,401	9.9 (8.3–11.6)	156	3,950	3.9 (3.3–4.6)
Postsecondary teachers	2200	26	441	5.9 (3.6–9.2)	<20	447	NC
Preschool and kindergarten teachers	2300	—	7	NC	<20	347	NC
Elementary and middle school teachers	2310	71	443	16.0 (11.9–21.2)	83	1,701	4.9 (3.8–6.2)
Secondary school teachers	2320	<20	181	NC	<20	271	NC
Special education teachers	2330	<20	23	NC	<20	144	NC
Other teachers and instructors	2340	<20	175	NC	<20	290	NC
Archivists, curators, and museum technicians	2400	<20	11	NC	<20	20	NC
Librarians	2430	<20	20	NC	<20	89	NC
Teacher assistants	2540	<20	75	NC	<20	572	NC
Other education, training, and library workers	2550	<20	18	NC	—	49	NC
Arts, design, entertainment, sports, and media occupations:	2600–2960	275	859	32.0 (28.2–35.8)*	75	849	8.8 (6.7–11.5)
Artists and related workers	2600	51	55	93.5 (60.7–138.5)*	24	53	45.5 (25.7–75.5)*
Designers	2630	44	233	18.9 (12.8–27.0)	<20	288	NC
Actors	2700	<20	10	NC	<20	8	NC
Producers and directors	2710	<20	49	NC	—	32	NC
Athletes, coaches, umpires, and related workers	2720	29	111	26.0 (15.7–41.1)	—	73	NC
Musicians, singers, and related workers	2750	58	60	96.5 (63.7–141.1)*	<20	31	NC
Entertainers and performers, sports and related workers, all other	2760	<20	11	NC	<20	8	NC
Announcers	2800	<20	23	NC	<20	7	NC
News analysts, reporters and correspondents	2810	<20	25	NC	—	21	NC
Public relations specialists	2825	<20	29	NC	<20	52	NC
Editors	2830	<20	48	NC	<20	67	NC
Technical writers	2840	<20	18	NC	—	21	NC

Writers and authors	2850	<20	44	NC	<20	86	NC
Miscellaneous media and communication workers	2860	<20	19	NC	<20	44	NC
Broadcast and sound engineering technicians and radio operators, and media and communication equipment workers, all other	2900	<20	51	NC	<20	4	NC
Photographers	2910	<20	45	NC	<20	44	NC
Television, video, and motion picture camera operators and editors	2920	<20	26	NC	—	5	NC
Healthcare practitioners and technical occupations:	3000–3540	292	1,239	23.6 (20.8–26.3)	354	4,166	8.5 (7.6–9.4)
Chiropractors	3000	<20	28	NC	—	11	NC
Dentists	3010	<20	59	NC	<20	29	NC
Dietitians and nutritionists	3030	<20	7	NC	<20	58	NC
Optometrists	3040	<20	11	NC	<20	9	NC
Pharmacists	3050	<20	73	NC	<20	112	NC
Physicians and surgeons	3060	41	319	12.8 (8.6–18.5)	<20	211	NC
Physician assistants	3110	—	24	NC	<20	48	NC
Podiatrists	3120	<20	4	NC	—	2	NC
Occupational therapists	3150	<20	7	NC	<20	67	NC
Physical therapists	3160	<20	40	NC	<20	120	NC
Radiation therapists	3200	<20	2	NC	—	7	NC
Respiratory therapists	3220	<20	22	NC	<20	45	NC
Speech–language pathologists	3230	<20	4	NC	<20	90	NC
Other therapists, including exercise physiologists	3245	<20	20	NC	<20	84	NC
Veterinarians	3250	<20	16	NC	<20	37	NC
Registered nurses	3255	59	181	32.6 (23.0–45.1)	175	1,733	10.1 (8.6–11.6)*
Nurse anesthetists	3256	<20	6	NC	<20	12	NC
Nurse practitioners and nurse midwives	3258	<20	9	NC	<20	86	NC
Health diagnosing and treating practitioners, all other	3260	<20	5	NC	<20	13	NC
Clinical laboratory technologists and technicians	3300	<20	45	NC	<20	143	NC
Dental hygienists	3310	<20	5	NC	<20	112	NC
Diagnostic related technologists and technicians	3320	20	52	38.3 (20.0–67.7)	<20	159	NC
Emergency medical technicians and paramedics	3400	32	81	39.3 (24.2–61.0)	<20	45	NC
Health practitioner support technologists and technicians	3420	25	73	34.4 (19.2–57.7)	32	302	10.6 (6.7–15.9)
Licensed practical and licensed vocational nurses	3500	<20	59	NC	36	397	9.1 (6.0–13.3)
Medical records and health information technicians	3510	<20	11	NC	<20	98	NC
Opticians, dispensing	3520	<20	9	NC	—	31	NC
Miscellaneous health technologists and technicians	3535	<20	24	NC	<20	50	NC
Other healthcare practitioners and technical occupations	3540	<20	41	NC	<20	42	NC
Healthcare support occupations:	3600–3655	65	275	23.6 (17.0–32.1)	206	1,935	10.6 (9.2–12.1)*
Nursing, psychiatric, and home health aides	3600	38	151	25.1 (16.3–37.3)	117	1,150	10.2 (8.3–12.0)*
Physical therapist assistants and aides	3620	—	19	NC	<20	48	NC
Massage therapists	3630	<20	15	NC	<20	93	NC
Dental assistants	3640	<20	9	NC	<20	159	NC
Medical assistants	3645	<20	26	NC	23	278	8.3 (4.8–13.3)
Medical transcriptionists	3646	<20	2	NC	<20	18	NC
Pharmacy aides	3647	<20	5	NC	<20	17	NC
Veterinary assistants and laboratory animal caretakers	3648	<20	5	NC	<20	27	NC
Phlebotomists	3649	<20	10	NC	<20	58	NC
Healthcare support workers, all other, including medical equipment preparers	3655	—	31	NC	<20	75	NC
Protective service occupations:	3700–3955	374	1,416	26.4 (23.7–29.1)	55	394	14.0 (9.9–19.2)*
First–line supervisors of correctional officers	3700	<20	23	NC	<20	9	NC

First-line supervisors of police and detectives	3710	<20	57	NC	<20	9	NC
First-line supervisors of fire fighting and prevention workers	3720	<20	25	NC	—	1	NC
First-line supervisors of protective service workers, all other	3730	<20	31	NC	<20	10	NC
Firefighters	3740	36	166	21.7 (13.9–32.5)	<20	9	NC
Fire inspectors	3750	<20	9	NC	—	1	NC
Bailiffs, correctional officers, and jailers	3800	66	184	36.0 (25.7–49.3)	<20	61	NC
Detectives and criminal investigators	3820	<20	51	NC	<20	18	NC
Miscellaneous law enforcement workers	3840	<20	5	NC	—	2	NC
Police officers	3850	98	386	25.4 (19.5–32.6)	<20	58	NC
Animal control workers	3900	<20	3	NC	<20	4	NC
Private detectives and investigators	3910	<20	25	NC	<20	20	NC
Security guards and gaming surveillance officers	3930	105	372	28.2 (22.7–33.7)	<20	121	NC
Crossing guards	3940	<20	11	NC	—	15	NC
Lifeguards and other recreational, and all other protective service workers	3955	<20	52	NC	<20	48	NC
Food preparation and serving related occupations:	4000–4160	501	2,378	21.1 (19.2–22.9)	218	2,813	7.8 (6.7–8.8)
Chefs and head cooks	4000	103	216	47.8 (38.3–57.2)*	<20	65	NC
First-line supervisors of food preparation and serving workers	4010	28	149	18.8 (11.3–29.7)	<20	193	NC
Cooks	4020	177	826	21.4 (18.2–24.6)	38	511	7.4 (5.0–10.8)
Food preparation workers	4030	20	250	8.0 (4.5–13.3)	<20	376	NC
Bartenders	4040	33	111	29.8 (18.5–45.8)	<20	157	NC
Combined food preparation and serving workers, including fast food	4050	22	92	23.9 (13.3–40.1)	<20	156	NC
Counter attendants, cafeteria, food concession, and coffee shop	4060	<20	45	NC	<20	86	NC
Waiters and waitresses	4110	71	363	19.6 (14.2–26.3)	103	915	11.3 (9.1–13.4)*
Food servers, nonrestaurant	4120	<20	36	NC	<20	77	NC
Miscellaneous food preparation and serving related workers, including dining room and cafeteria attendants and bartender helpers	4130	<20	106	NC	<20	84	NC
Dishwashers	4140	20	154	13.0 (7.2–21.8)	<20	39	NC
Hosts and hostesses, restaurant, lounge, and coffee shop	4150	<20	29	NC	<20	153	NC
Building and grounds cleaning and maintenance occupations:	4200–4250	520	1,949	26.7 (24.4–29.0)	88	1,282	6.9 (5.3–8.7)
First-line supervisors of housekeeping and janitorial workers	4200	30	80	37.7 (22.4–60.2)	<20	46	NC
First-line supervisors of landscaping, lawn service, and groundskeeping workers	4210	39	92	42.3 (26.9–63.9)	<20	6	NC
Janitors and building cleaners	4220	221	971	22.8 (19.7–25.8)	<20	482	NC
Maids and housekeeping cleaners	4230	<20	110	NC	50	701	7.1 (5.1–9.8)
Pest control workers	4240	<20	38	NC	—	3	NC
Grounds maintenance workers	4250	206	659	31.3 (26.9–35.6)	<20	46	NC
Personal care and service occupations:	4300–4650	172	687	25.0 (21.2–28.8)	208	2,488	8.4 (7.2–9.5)
First-line supervisors of gaming workers	4300	<20	5	NC	—	4	NC
First-line supervisors of personal service workers	4320	<20	18	NC	<20	37	NC
Animal trainers	4340	<20	9	NC	<20	12	NC
Nonfarm animal caretakers	4350	<20	35	NC	<20	115	NC
Gaming services workers	4400	<20	23	NC	<20	15	NC
Ushers, lobby attendants, and ticket takers	4420	<20	13	NC	—	9	NC
Miscellaneous entertainment attendants and related workers	4430	<20	59	NC	<20	48	NC
Embalmers and funeral attendants	4460	<20	5	NC	<20	1	NC
Morticians, undertakers, and funeral directors	4465	<20	14	NC	—	5	NC
Barbers	4500	<20	43	NC	—	11	NC
Hairdressers, hairstylists, and cosmetologists	4510	<20	35	NC	50	461	10.8 (7.6–15.0)

Miscellaneous personal appearance workers	4520	<20	30	NC	<20	156	NC
Baggage porters, bellhops, and concierges	4530	<20	43	NC	—	12	NC
Tour and travel guides	4540	<20	18	NC	<20	19	NC
Childcare workers	4600	<20	49	NC	27	727	3.7 (2.3–5.7)
Personal care aides	4610	38	126	30.2 (19.3–45.5)	72	594	12.1 (9.0–16.0)*
Recreation and fitness workers	4620	<20	95	NC	<20	180	NC
Personal care and service workers, all other	4650	<20	36	NC	<20	47	NC
Sales and related occupations:	4700–4965	915	4,421	20.7 (19.3–22.1)	318	4,509	7.1 (6.3–7.8)
First-line supervisors of retail sales workers	4700	239	976	24.5 (21.3–27.6)	49	835	5.9 (4.1–8.1)
First-line supervisors of non-retail sales workers	4710	39	465	8.4 (5.6–12.1)	<20	217	NC
Cashiers	4720	52	518	10.0 (7.1–13.8)	61	1,441	4.2 (3.1–5.6)
Counter and rental clerks	4740	<20	25	NC	<20	26	NC
Parts salespersons	4750	<20	57	NC	<20	10	NC
Retail salespersons	4760	293	935	31.3 (27.7–35.0)*	111	965	11.5 (9.3–13.7)*
Advertising sales agents	4800	<20	53	NC	<20	60	NC
Insurance sales agents	4810	34	149	22.8 (14.5–34.5)	<20	145	NC
Securities, commodities, and financial services sales agents	4820	26	106	24.6 (14.3–40.0)	<20	39	NC
Travel agents	4830	<20	7	NC	<20	28	NC
Sales representatives, services, all other	4840	46	249	18.5 (12.6–26.2)	<20	127	NC
Sales representatives, wholesale and manufacturing	4850	60	556	10.8 (7.8–14.5)	<20	223	NC
Models, demonstrators, and product promoters	4900	—	6	NC	<20	17	NC
Real estate brokers and sales agents	4920	41	179	22.9 (15.0–33.7)	28	232	12.1 (7.5–18.6)
Sales engineers	4930	<20	22	NC	—	2	NC
Telemarketers	4940	<20	14	NC	<20	24	NC
Door-to-door sales workers, news and street vendors, and related workers	4950	<20	28	NC	<20	50	NC
Sales and related workers, all other	4965	27	78	34.7 (20.4–55.9)	<20	67	NC
Office and administrative support occupations:	5000–5940	459	3,228	14.2 (12.9–15.5)	429	7,988	5.4 (4.9–5.9)
First-line supervisors of office and administrative support workers	5000	21	320	6.6 (3.8–10.7)	44	472	9.3 (6.4–13.2)
Switchboard operators, including answering service	5010	<20	2	NC	<20	10	NC
Telephone operators	5020	<20	5	NC	<20	14	NC
Communications equipment operators, all other	5030	<20	3	NC	—	4	NC
Bill and account collectors	5100	<20	26	NC	<20	61	NC
Billing and posting clerks	5110	<20	34	NC	<20	262	NC
Bookkeeping, accounting, and auditing clerks	5120	<20	80	NC	27	557	4.8 (3.0–7.4)
Gaming cage workers	5130	—	1	NC	<20	3	NC
Payroll and timekeeping clerks	5140	<20	10	NC	<20	77	NC
Procurement clerks	5150	<20	9	NC	—	10	NC
Tellers	5160	<20	32	NC	<20	167	NC
Financial clerks, all other	5165	<20	34	NC	<20	41	NC
Brokerage clerks	5200	—	1	NC	<20	2	NC
Court, municipal, and license clerks	5220	<20	6	NC	—	29	NC
Credit authorizers, checkers, and clerks	5230	—	6	NC	<20	13	NC
Customer service representatives	5240	72	566	12.7 (9.5–16.7)	68	1,082	6.3 (4.7–8.3)
Eligibility interviewers, government programs	5250	<20	10	NC	<20	35	NC
File clerks	5260	<20	31	NC	<20	93	NC
Hotel, motel, and resort desk clerks	5300	<20	23	NC	<20	59	NC
Interviewers, except eligibility and loan	5310	<20	13	NC	—	69	NC
Library assistants, clerical	5320	<20	11	NC	<20	54	NC
Loan interviewers and clerks	5330	<20	15	NC	<20	59	NC
New accounts clerks	5340	<20	3	NC	<20	6	NC

Correspondence clerks and order clerks	5350	<20	34	NC	—	46	NC
Receptionists and information clerks	5400	<20	70	NC	27	605	4.5 (2.8–6.8)
Reservation and transportation ticket agents and travel clerks	5410	<20	29	NC	<20	45	NC
Information and record clerks, all other	5420	<20	19	NC	<20	48	NC
Cargo and freight agents	5500	<20	9	NC	<20	5	NC
Couriers and messengers	5510	20	99	20.2 (10.9–34.6)	<20	25	NC
Dispatchers	5520	20	75	26.6 (14.2–46.2)	<20	90	NC
Meter readers, utilities	5530	<20	13	NC	—	2	NC
Postal service clerks	5540	<20	32	NC	<20	37	NC
Postal service mail carriers	5550	24	120	20.0 (11.5–32.7)	<20	82	NC
Postal service mail sorters, processors, and processing machine operators	5560	<20	19	NC	<20	21	NC
Production, planning, and expediting clerks	5600	<20	83	NC	<20	122	NC
Shipping, receiving, and traffic clerks	5610	36	254	14.2 (9.2–21.1)	<20	108	NC
Stock clerks and order fillers	5620	91	622	14.6 (11.2–18.8)	<20	334	NC
Weighers, measurers, checkers, and samplers, recordkeeping	5630	<20	22	NC	—	22	NC
Secretaries and administrative assistants	5700	<20	94	NC	91	1,751	5.2 (4.1–6.5)
Computer operators	5800	<20	29	NC	<20	29	NC
Data entry keyers	5810	<20	46	NC	<20	148	NC
Word processors and typists	5820		25	NC	<20	145	NC
Insurance claims and policy processing clerks	5840	<20	43	NC	<20	196	NC
Mail clerks and mail machine operators, except postal service	5850	<20	24	NC	<20	25	NC
Office clerks, general	5860	21	129	16.3 (9.1–27.3)	42	603	7.0 (4.8–9.8)
Office machine operators, except computer	5900	<20	10	NC	—	19	NC
Proofreaders and copy markers	5910	<20	2	NC	—	4	NC
Statistical assistants	5920	<20	4	NC	—	5	NC
Miscellaneous office and administrative support workers, including desktop publishers	5940	<20	77	NC	<20	263	NC
Farming, fishing, and forestry occupations:	6000–6130	119	379	31.4 (25.6–37.1)	<20	110	NC
Graders and sorters, agricultural products	6040		7	NC	<20	13	NC
Miscellaneous agricultural workers, including animal breeders	6050	70	283	24.7 (18.0–33.4)	<20	82	NC
Fishing and hunting workers	6100	25	21	119.9 (60.9–215.6)*	—	1	NC
Forest and conservation workers	6120	<20	8	NC	—	2	NC
Logging workers	6130	<20	37	NC	—	1	NC
Construction and extraction occupations:	6200–6940	2,036	4,120	49.4 (47.2–51.6)*	31	122	25.5 (15.7–39.4)*
First-line supervisors of construction trades and extraction workers	6200	181	412	44.0 (37.4–50.5)*	<20	13	NC
Boilermakers	6210	<20	8	NC	—	0	NC
Brickmasons, blockmasons, stonemasons, and reinforcing iron and rebar workers	6220	60	89	67.6 (45.7–97.0)*	—	1	NC
Carpenters	6230	380	694	54.7 (49.0–60.4)*	<20	15	NC
Carpet, floor, and tile installers and finishers	6240	43	78	55.2 (35.3–83.1)*	<20	2	NC
Cement masons, concrete finishers, and terrazzo workers	6250	<20	34	NC	—	0	NC
Construction laborers	6260	558	900	62.0 (56.7–67.3)*	<20	24	NC
Paving, surfacing, and tamping equipment operators	6300	<20	8	NC	—	0	NC
Construction equipment operators except paving, surfacing, and tamping equipment operators	6320	100	189	52.8 (42.2–63.4)*	<20	5	NC
Drywall installers, ceiling tile installers, and tapers	6330	23	78	29.5 (16.3–49.8)	—	1	NC
Electricians	6355	198	450	44.0 (37.7–50.2)*	<20	10	NC
Glaziers	6360	<20	23	NC	—	0	NC
Insulation workers	6400	<20	28	NC	—	1	NC

Painters and paperhangers	6420	103	281	36.6 (29.4–43.9)*	<20	19	NC
Pipelayers, plumbers, pipefitters, and steamfitters	6440	112	316	35.4 (28.7–42.1)*	<20	6	NC
Plasterers and stucco masons	6460	<20	13	NC	—	0	NC
Roofers	6515	76	117	65.2 (46.1–90.0)*	<20	2	NC
Sheet metal workers	6520	25	71	35.2 (20.2–57.9)	—	3	NC
Structural iron and steel workers	6530	28	35	79.0 (43.5–134.0)*	—	1	NC
Helpers, construction trades	6600	<20	22	NC	<20	1	NC
Construction and building inspectors	6660	<20	47	NC	<20	4	NC
Elevator installers and repairers	6700	<20	16	NC	—	0	NC
Fence erectors	6710	<20	15	NC	—	0	NC
Hazardous materials removal workers	6720	<20	15	NC	<20	4	NC
Highway maintenance workers	6730	<20	68	NC	<20	4	NC
Rail–track laying and maintenance equipment operators	6740	<20	6	NC	—	0	NC
Miscellaneous construction workers, including solar photovoltaic installers, septic tank servicers and sewer pipe cleaners	6765	<20	43	NC	—	2	NC
Derrick, rotary drill, and service unit operators, and roustabouts, oil, gas, and mining	6800	<20	8	NC	—	0	NC
Earth drillers, except oil and gas	6820	<20	12	NC	—	0	NC
Explosives workers, ordnance handling experts, and blasters	6830	<20	5	NC	—	0	NC
Mining machine operators	6840	<20	22	NC	<20	0	NC
Miscellaneous extraction workers, including roof bolters and helpers	6940	<20	17	NC	<20	1	NC
Installation, maintenance, and repair occupations:	7000–7630	954	2,583	36.9 (34.6–39.3)*	<20	98	NC
First–line supervisors of mechanics, installers, and repairers	7000	25	146	17.1 (10.2–27.2)	—	11	NC
Computer, automated teller, and office machine repairers	7010	60	99	60.8 (41.8–86.1)*	<20	14	NC
Radio and telecommunications equipment installers and repairers	7020	28	80	34.8 (20.4–56.3)	<20	9	NC
Avionics technicians	7030	<20	6	NC	—	1	NC
Electric motor, power tool, and related repairers	7040	<20	12	NC	—	0	NC
Electrical and electronics repairers, transportation equipment, and industrial and utility	7100	<20	9	NC	—	1	NC
Electronic equipment installers and repairers, motor vehicles	7110	<20	5	NC	—	0	NC
Electronic home entertainment equipment installers and repairers	7120	<20	19	NC	—	1	NC
Security and fire alarm systems installers	7130	<20	34	NC	—	1	NC
Aircraft mechanics and service technicians	7140	26	82	31.7 (18.3–51.8)	<20	4	NC
Automotive body and related repairers	7150	38	69	54.9 (34.4–83.9)*	<20	1	NC
Automotive glass installers and repairers	7160	<20	12	NC	—	0	NC
Automotive service technicians and mechanics	7200	311	480	64.8 (57.4–72.3)*	<20	6	NC
Bus and truck mechanics and diesel engine specialists	7210	52	187	27.8 (19.2–39.2)	—	2	NC
Heavy vehicle and mobile equipment service technicians and mechanics	7220	23	116	19.9 (11.3–32.8)	—	2	NC
Small engine mechanics	7240	<20	24	NC	—	0	NC
Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	7260	<20	45	NC	—	1	NC
Control and valve installers and repairers	7300	<20	11	NC	—	0	NC
Heating, air conditioning, and refrigeration mechanics and installers	7315	69	220	31.4 (22.7–42.5)	—	3	NC
Home appliance repairers	7320	<20	20	NC	—	0	NC
Industrial and refractory machinery mechanics	7330	80	227	35.2 (26.3–46.3)	—	9	NC
Maintenance and repair workers, general	7340	71	288	24.6 (18.2–32.7)	—	6	NC
Maintenance workers, machinery	7350	<20	16	NC	<20	0	NC

Millwrights	7360	20	25	78.7 (39.8–142.4)*	—	1	NC
Electrical power-line installers and repairers	7410	<20	64	NC	—	1	NC
Telecommunications line installers and repairers	7420	22	80	27.5 (15.2–46.4)	—	4	NC
Precision instrument and equipment repairers	7430	<20	29	NC	<20	5	NC
Coin, vending, and amusement machine servicers and repairers	7510	<20	20	NC	—	4	NC
Locksmiths and safe repairers	7540	<20	12	NC	—	1	NC
Helpers—installation, maintenance, and repair workers	7610	<20	11	NC	<20	1	NC
Miscellaneous installation, maintenance, and repair workers, including wind turbine service technicians	7630	<20	129	NC	<20	9	NC
Production occupations:	7700–8965	1,075	3,906	27.5 (25.9–29.2)	108	1,577	6.8 (5.6–8.1)
First-line supervisors of production and operating workers	7700	72	449	16.0 (11.9–21.3)	<20	109	NC
Aircraft structure, surfaces, rigging, and systems assemblers	7710	<20	3	NC	<20	1	NC
Electrical, electronics, and electromechanical assemblers	7720	<20	38	NC	—	39	NC
Engine and other machine assemblers	7730	<20	7	NC	<20	0	NC
Structural metal fabricators and fitters	7740	<20	16	NC	—	0	NC
Miscellaneous assemblers and fabricators	7750	104	418	24.9 (20.0–29.7)	21	247	8.5 (4.9–14.0)
Bakers	7800	<20	58	NC	<20	83	NC
Butchers and other meat, poultry, and fish processing workers	7810	31	123	25.1 (15.4–39.2)	<20	32	NC
Food and tobacco roasting, baking, and drying machine operators and tenders	7830	<20	3	NC	—	2	NC
Food batchmakers	7840	<20	26	NC	<20	31	NC
Food processing workers, all other	7855	<20	59	NC	—	29	NC
Computer control programmers and operators	7900	<20	66	NC	—	6	NC
Extruding and drawing machine setters, operators, and tenders, metal and plastic	7920	<20	8	NC	—	1	NC
Forging machine setters, operators, and tenders, metal and plastic	7930	<20	6	NC	—	0	NC
Machine tool cutting setters, operators, and tenders, metal and plastic	7950	21	94	22.3 (12.3–37.8)	—	19	NC
Machinists	8030	138	215	64.2 (53.1–75.3)*	<20	11	NC
Metal furnace operators, tenders, pourers, and casters	8040	<20	17	NC	—	2	NC
Model makers, patternmakers, and molding machine setters, metal and plastic	8100	<20	26	NC	—	6	NC
Tool and die makers	8130	<20	46	NC	—	0	NC
Welding, soldering, and brazing workers	8140	165	308	53.6 (45.2–62.1)*	<20	19	NC
Miscellaneous metal workers and plastic workers, including multiple machine tool setters	8220	33	212	15.6 (9.9–23.5)	<20	59	NC
Printing press operators	8255	30	95	31.5 (19.1–49.5)	<20	23	NC
Print binding and finishing workers	8256		8	NC	<20	5	NC
Laundry and dry-cleaning workers	8300	<20	43	NC	<20	62	NC
Pressers, textile, garment, and related materials	8310	<20	7	NC	<20	14	NC
Sewing machine operators	8320	<20	22	NC	<20	75	NC
Tailors, dressmakers, and sewers	8350	<20	9	NC	—	34	NC
Textile bleaching and dyeing, and cutting machine setters, operators, and	8400	<20	3	NC	—	2	NC
Textile knitting and weaving machine setters, operators, and tenders	8410	<20	2	NC	<20	4	NC
Textile winding, twisting, and drawing out machine setters, operators, and tenders	8420	<20	4	NC	—	5	NC
Upholsterers	8450	<20	13	NC	<20	4	NC
Miscellaneous textile, apparel, and furnishings workers except upholsterers	8460	<20	6	NC		4	NC

Cabinetmakers and bench carpenters	8500	<20	32	NC	<20	3	NC
Furniture finishers	8510	<20	4	NC	—	2	NC
Sawing machine setters, operators, and tenders, wood	8530	<20	19	NC	—	3	NC
Woodworking machine setters, operators, and tenders, except sawing	8540	<20	9	NC	—	3	NC
Miscellaneous woodworkers, including model makers and	8550	<20	19	NC	—	2	NC
Power plant operators, distributors, and dispatchers	8600	<20	28	NC	<20	2	NC
Stationary engineers and boiler operators	8610	<20	49	NC	<20	2	NC
Water and wastewater treatment plant and system operators	8620	<20	46	NC	—	3	NC
Miscellaneous plant and system operators	8630	<20	16	NC	<20	1	NC
Chemical processing machine setters, operators, and tenders	8640	<20	30	NC	<20	4	NC
Crushing, grinding, polishing, mixing, and blending workers	8650	<20	48	NC	—	8	NC
Cutting workers	8710	<20	38	NC	<20	12	NC
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	8720	<20	20	NC	—	5	NC
Inspectors, testers, sorters, samplers, and weighers	8740	33	300	11.0 (7.0–16.5)	<20	195	NC
Jewelers and precious stone and metal workers	8750	<20	12	NC	—	9	NC
Medical, dental, and ophthalmic laboratory technicians	8760	<20	23	NC	<20	24	NC
Packaging and filling machine operators and tenders	8800	<20	76	NC	<20	83	NC
Painting workers	8810	<20	71	NC	<20	12	NC
Photographic process workers and processing machine operators	8830	<20	9	NC	—	9	NC
Adhesive bonding machine operators and tenders	8850	<20	2	NC	—	3	NC
Etchers and engravers	8910	<20	3	NC	—	2	NC
Molders, shapers, and casters, except metal and plastic	8920	<20	14	NC	<20	3	NC
Paper goods machine setters, operators, and tenders	8930	<20	11	NC	—	5	NC
Tire builders	8940	<20	11	NC	—	1	NC
Helpers—production workers	8950	<20	14	NC	—	5	NC
Miscellaneous production workers, including semiconductor processors	8965	179	564	31.7 (27.0–36.5)	24	234	10.3 (6.1–16.4)
Transportation and material moving occupations:	9000–9750	1,380	4,542	30.4 (28.8–32.0)*	122	978	12.5 (10.2–14.7)*
Supervisors of transportation and material moving workers	9000	<20	100	NC	<20	26	NC
Aircraft pilots and flight engineers	9030	<20	76	NC	<20	7	NC
Flight attendants	9050	<20	15	NC	<20	46	NC
Ambulance drivers and attendants, except emergency medical	9110	<20	9	NC	—	2	NC
Bus drivers	9120	21	159	13.2 (7.4–21.8)	<20	167	NC
Driver/sales workers and truck drivers	9130	546	1,794	30.4 (27.8–33.0)*	<20	124	NC
Taxi drivers and chauffeurs	9140	23	245	9.4 (5.4–15.3)	<20	42	NC
Motor vehicle operators, all other	9150	<20	15	NC	—	4	NC
Locomotive engineers and operators	9200	<20	27	NC	—	1	NC
Railroad conductors and yardmasters	9240	<20	28	NC	—	2	NC
Sailors and marine oilers, and ship engineers	9300	<20	9	NC	<20	1	NC
Ship and boat captains and operators	9310	<20	12	NC	—	1	NC
Parking lot attendants	9350	<20	40	NC	<20	5	NC
Automotive and watercraft service attendants	9360	<20	53	NC	<20	7	NC
Transportation inspectors	9410	<20	20	NC	—	3	NC
Transportation attendants, except flight attendants	9415	<20	9	NC	—	13	NC
Miscellaneous transportation workers, including bridge and lock tenders and traffic technicians	9420	<20	12	NC	—	3	NC
Crane and tower operators	9510	<20	35	NC	<20	1	NC

Dredge, excavating, and loading machine operators	9520	<20	22	NC		0	NC
Conveyor operators and tenders, and hoist and winch operators	9560	<20	8	NC		1	NC
Industrial truck and tractor operators	9600	76	333	22.8 (16.9–30.4)	<20	30	NC
Cleaners of vehicles and equipment	9610	25	177	14.1 (8.4–22.5)	<20	37	NC
Laborers and freight, stock, and material movers, hand	9620	563	1,094	51.5 (47.1–55.8)*	57	272	20.9 (14.9–28.8)*
Machine feeders and offbearers	9630	<20	8	NC	<20	7	NC
Packers and packagers, hand	9640	<20	129	NC	<20	160	NC
Pumping station operators	9650	<20	10	NC		0	NC
Refuse and recyclable material collectors	9720	<20	51	NC		6	NC
Miscellaneous material moving workers, including mine shuttle car operators, and tank car, truck, and ship loaders	9750	<20	26	NC	—	3	NC
Unknown	9900	1,150	—	—	358	—	—

Abbreviations: NC = Not calculated due to <20 decedents.

* Statistically higher than population rate (all industries or occupations) based on 95% CI of industry or occupational group rate not containing the total population rate point estimate.

† Alaska, Arizona, Colorado, Connecticut, Georgia, Hawaii, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, Wisconsin.

§ Census Bureau 2012 industry and 2010 occupational codes and titles from the 2016 American Community Survey, translated from National Institute for Occupational Safety and Health Industry and Occupation Computerized Coding System codes using Census Bureau definitions (<https://www.census.gov/topics/employment/industry-occupation/guidance/code-lists.html>).